



Public Notice

US Army Corps
of Engineers
Memphis District

200300153

REPLY TO ATTN: Tom Skelton
U.S. Army Corps of Engineers
167 North Main Street, Room B-202
Memphis, Tennessee 38103-1894
Telephone: (901) 544-3468
Fax (901) 544-3266
E-Mail: James.T.Skelton@usace.army.mil
POSTMASTER PLEASE POST UNTIL:

PUBLIC NOTICE NO:
TN-2003-153 (TS)
REFERENCE NUMBER:
200300153
PUBLIC NOTICE DATE:
January 16, 2004
EXPIRATION DATE:
February 17, 2004

**Joint Public Notice
Corps of Engineers
and
State of Tennessee**

AUTHORITY: Pursuant to 33 CFR 325, as published in the Federal Register dated November 13, 1986, this notice announces an application submitted for a Department of the Army permit under Section 404 of the Clean Water Act.

APPLICANT: Houston Daugherty
City Engineer
500 Poplar View Parkway
Collierville, Tennessee 38017
(901) 457-2340

AGENT: Thomas Heineke
Heineke & Associates, Inc.
3014 Sycamore View Road
Bartlett, Tennessee 38134-5962
(901) 373-3289

LOCATION: The project begins just east of Houston Levee Road and extends east approximately 2.65 miles until its intersection with Shelton Road in Collierville, Shelby County, Tennessee, at approximate latitude 35 -5 -34.1400 and longitude 89 -42-34.0388 on the Collierville 7.5 minute quadrangle map.

PURPOSE: The purpose of the project is to extend Wolf River Boulevard from Houston Levee Road to Shelton Road to provide a safe roadway to carry present and future traffic flows.

DESCRIPTION OF WORK: The applicant proposes to construct 2.65 miles of Wolf River Boulevard along new alignment. The construction will consist of five crossing of tributaries to the Wolf River, two 12-foot lanes, a 10-foot shoulder on the north side and a 6-foot shoulder on the south side of the road. The first crossing (see sheet 5) will consist of the relocation of a channel which is 839 feet long. The new channel will be 848 feet long and will include a 175-foot box culvert and 70 feet of riprap. The second crossing (see sheet 28) involves the placement of an aluminized arch pipe which is 14'11" by 9'10" and 120 feet long. No relocation of the channel is proposed. The third crossing (see sheet 36) will consist of the placement of an 84-foot, 36' by 10' conspan bridge. The length of the existing channel is 337 feet of which 102 feet will be cut off. The length of the proposed channel is 235 feet including the 84-foot bridge and 151 feet of riprap. The forth crossing (see sheet 46) will involve the placement of a 151-foot box culvert and relocation of 250 feet of channel. The proposed channel will be 251 feet long, including the box culvert and 66 feet of riprap. The fifth crossing (see sheet 49) will consist of placement of a 502-foot box culvert. The length of the existing channel is 1030 feet, including a 58-foot pipe and a 202-foot box culvert. The length of the proposed channel is approximately 1331 feet. Overall, a total of 2,456 linear feet of stream will be impacted and 2,665 linear feet of stream will be created.

The project will also require the filling of 3.96 acres of wetlands as indicated on the attached drawings. These wetlands consists generally of two types; 1) wooded wetlands (1.2 acres) dominated by Nuttall's oak and willow oak, with a shrubby understory of American elm and sweet gum. 2) herbaceous wetlands (2.76 acres) dominated by Southern dewberry, hairy buttercup, fall panic grass and small white aster. The proposed mitigation is located approximately one mile north of the project site and will consist of the restoration of hydrology and planting of bottomland hardwood trees on 11.9 acres of currently farmed land.

WATER QUALITY CERTIFICATION: By copy of this public notice, the applicant is requesting water quality certification from the Tennessee Department of Environment and Conservation, Division of Water Pollution Control that the activity will comply with applicable requirements set forth in 33 U.S.C. and 1341(a)(1) of the Clean Water Act and all State laws and regulations promulgated pursuant thereto. This certification or evidence of this water quality certification or waiver of the right to certify must be submitted prior to the issuance of a Corps of Engineers permit. Commentors are requested to also furnish a copy of their comments to the Tennessee Department of Environment and Conservation, Division of Water Pollution Control (TDEC), at (615) 532-0713 or in writing at TDEC 7th Floor L. & C. Annex Building, 401 Church Street, Nashville, Tennessee 37243-1534. The Department will consider all relative comments in the decision to grant or deny water quality certification for the proposed activity. The applicant is also encouraged to contact the offices of TDEC at the above telephone number or address for information on permit processing fees and TDEC's potential need for additional information not found in this notice. The Corps of Engineers' evaluation of the impact of the activity on the public interest will include application of the guidelines promulgated by the Administrator, EPA, under authority of Section 404(b) of the Clean Water Act.

ENDANGERED SPECIES: No endangered or threatened species, or their critical habitat, are known to exist in the project area. This application is being coordinated with the U.S. Fish and Wildlife Service. Any comments they may have regarding endangered or threatened wildlife or plants, or their critical habitat, will be considered in our evaluation of the described work.

CULTURAL RESOURCES: The Memphis District is complying with the National Historic Preservation Act of 1966 and implementing regulations found in 36 CFR Part 800. The Memphis District will evaluate information provided by the State Historic Preservation Officer and the public in response to this public notice and we may conduct, or require a survey of the project area.

FLOOD PLAIN: In accordance with 44 CFR Part 60 (Flood Plain Management and Use), participating communities are required to review all proposed development to determine if a flood plain development permit is required. Flood plain administrators should review the proposed public notice and apprise this office of any flood plain development permit requirements.

PUBLIC INTEREST REVIEW: The purpose of this public notice is to advise all interested parties of the activities for which a permit is sought and to solicit comments and information necessary to evaluate the probable impact on the public interest.

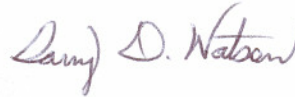
The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits which reasonably may be expected to accrue from the project must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the project will be considered, including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people.

The Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

PUBLIC HEARING: Any person may request, in writing, within the comment period specified in this notice that a public hearing be held to consider this application. Requests for a public hearing shall state, with particularity, the reason for holding a public hearing. The District Engineer will determine if the issues raised are substantial and whether a hearing is needed for making a decision.

COMMENTS OR REQUEST FOR ADDITIONAL INFORMATION: If you wish to obtain additional information or to submit comments on the application, please contact Tom Skelton at the U.S. Army Corps of Engineers, 167 North Main Street, Room B-202, Memphis, Tennessee 38103-1894, telephone (901) 544-3468. Copies of all comments, including the names and address of commenters, may be provided to the applicant for consideration and response prior to a decision by the Corps.

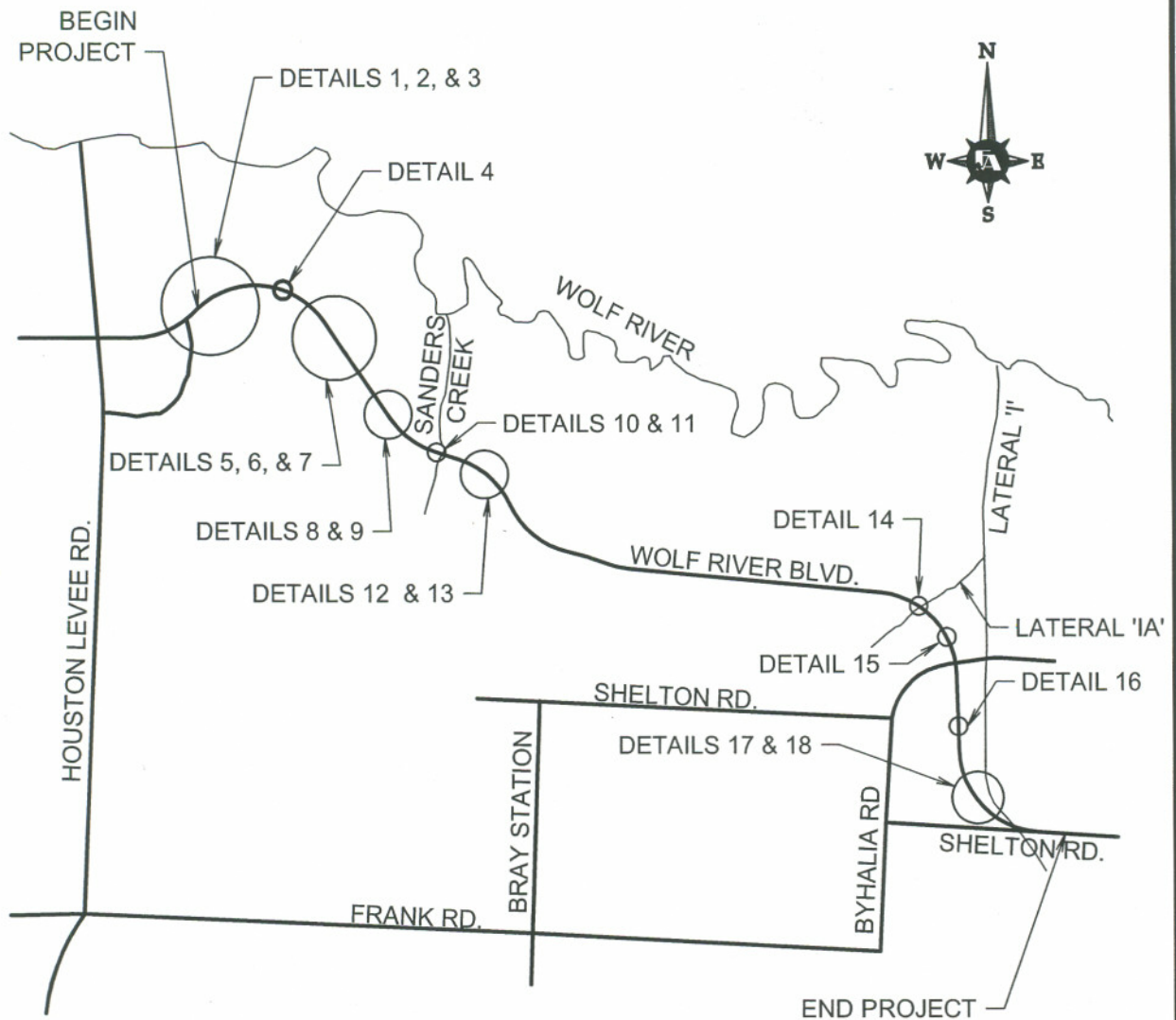
Comments should be received by February 17, 2004.

A handwritten signature in dark ink, appearing to read "Larry D. Watson". The signature is fluid and cursive, with the first name "Larry" written in a more stylized, connected manner to the last name "Watson".

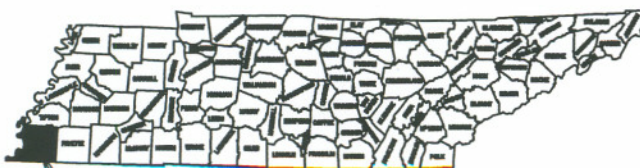
Larry D. Watson
Chief
Regulatory Branch

Attachments

Permit Sketch



GRAPHIC SCALE
SCALE: 1" = 3000'



SHELBY COUNTY

DATE: 11-17-2003

REVISED:

APPLICATION BY:
TOWN OF COLLIERVILLE

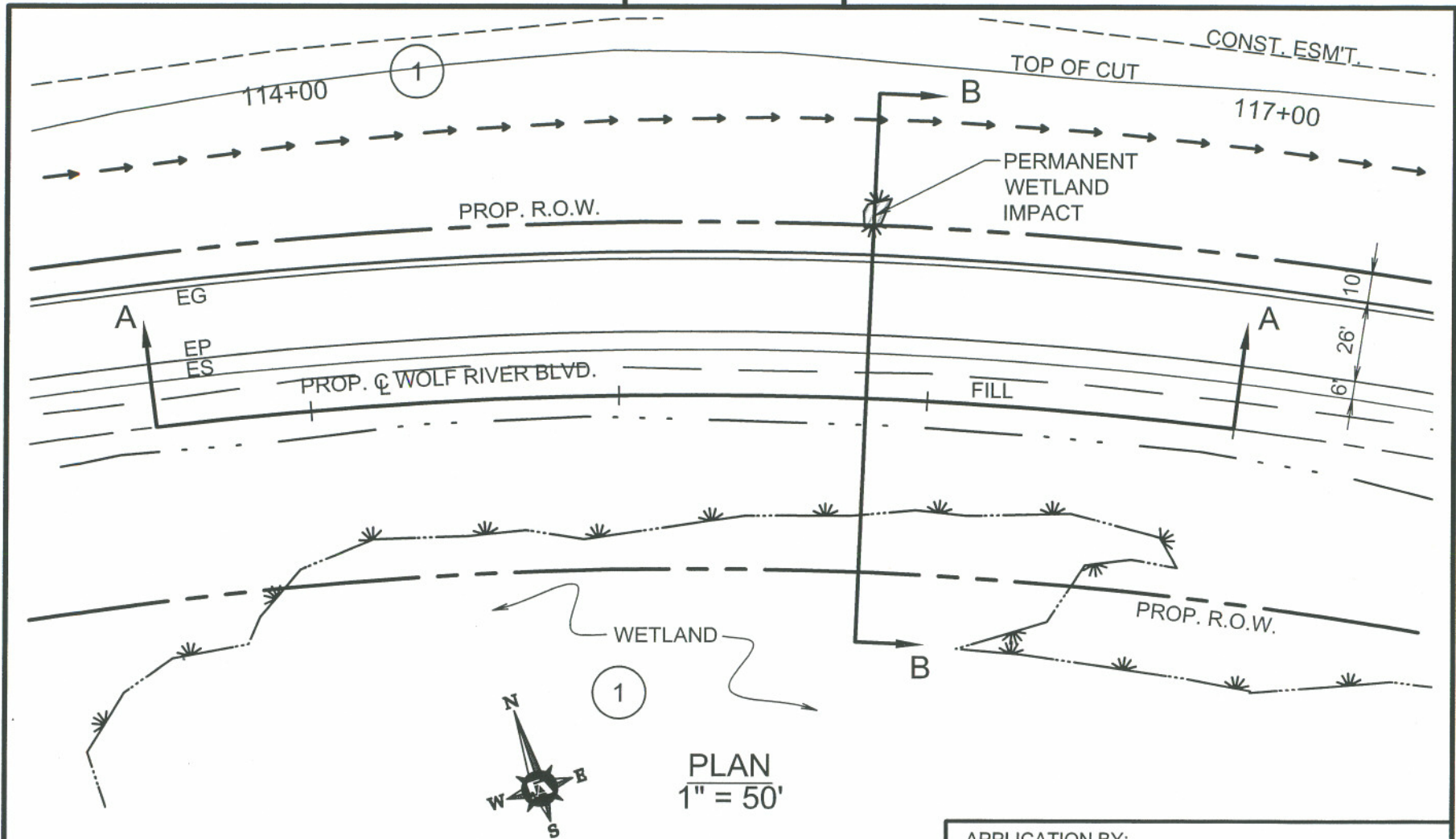
PROJECT NO. TOC03E12

PROJECT DESC: WOLF RIVER BOULEVARD FROM
HOUSTON LEVEE ROAD TO SHELTON ROAD

SHELBY COUNTY AT COLLIERVILLE, TENNESSEE

SHEET: 1 OF 56

Permit Sketch



DETAIL 1 (SHT. 1 OF 2)

PROPOSED WETLAND IMPACT
FROM STA. 115+76± TO STA. 115+85±
DATUM: MEAN SEA LEVEL

WETLAND IMPACT
STA. 115+76± TO STA. 115+85±
PERM. = 51 SQ. FT.

DATE: 11-17-2003

REVISED:

APPLICATION BY:
TOWN OF COLLIERVILLE

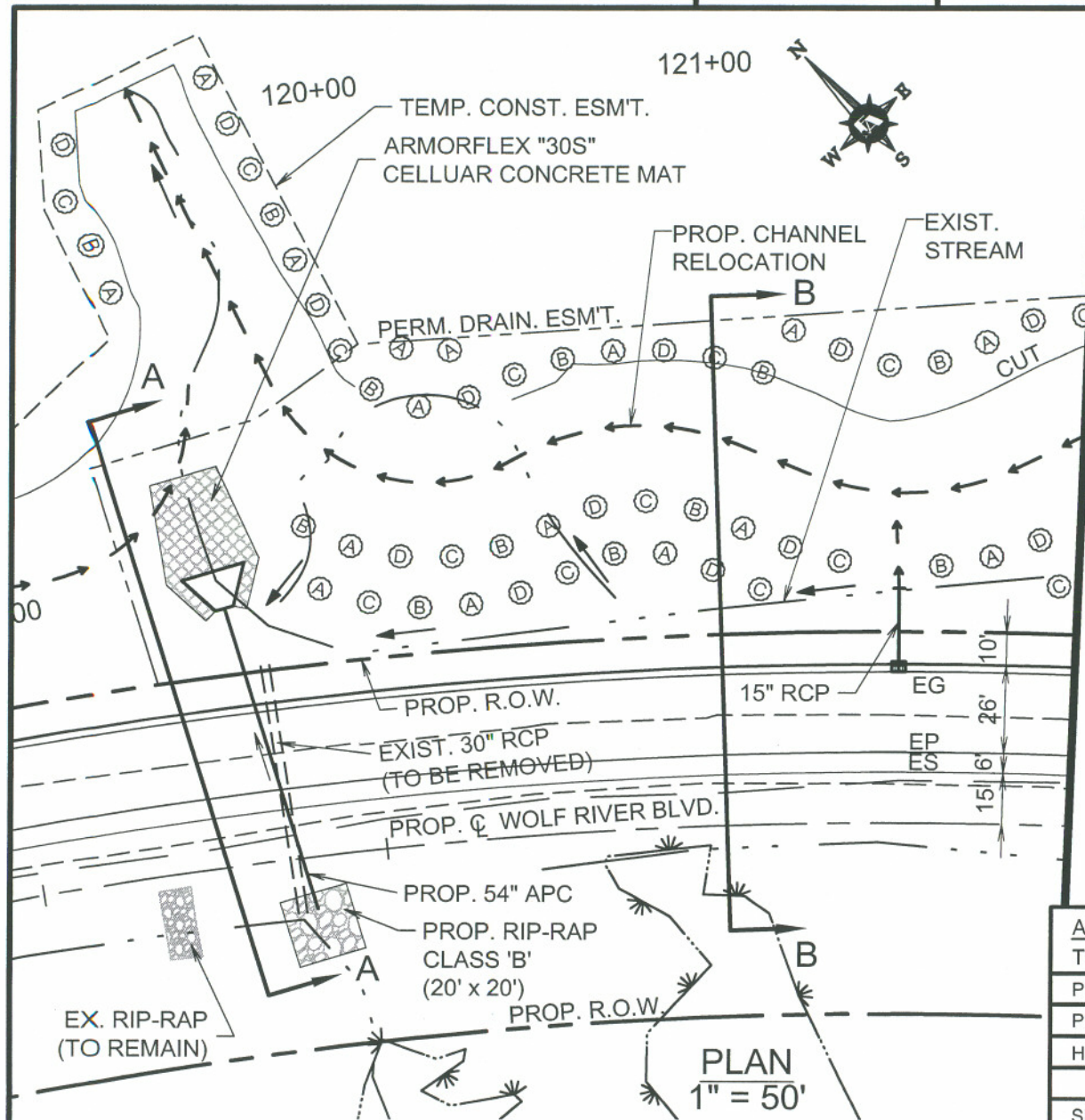
PROJECT NO: TOC03E12

PROJECT DESC: WOLF RIVER BOULEVARD FROM
HOUSTON LEVEE ROAD TO SHELTON ROAD

SHELBY COUNTY AT COLLIERVILLE, TENNESSEE

SHEET: 3 OF 56

Permit Sketch



DETAIL 2 (SHT. 1 OF 6)

EXIST. STREAM FROM STA. 119+53± TO STA. 125+12±;
PROP. CHANNEL RELOCATION AND PROP. WETLANDS
IMPACT; FROM STA. 124+50± TO STA. 125+12± RT.

DATUM: MEAN SEA LEVEL

WETLAND IMPACT
STA. 124+50± TO STA. 125+12± RT.
PERM. = 610 SQ. FT.
TEMP. = 285 SQ. FT.

TREE PLANTING LEGEND

(A)	TAXODIUM DISTICHUM
(B)	QUERCUS ALBA
(C)	LIRIODENDRON TULIPFERA
(D)	ACER RUBRUM

APPLICATION BY:
TOWN OF COLLIERVILLE

PROJECT NO: TOC03E12

PROJECT DESC: WOLF RIVER BOULEVARD FROM
HOUSTON LEVEE ROAD TO SHELTON ROAD

SHELBY COUNTY AT COLLIERVILLE, TENNESSEE

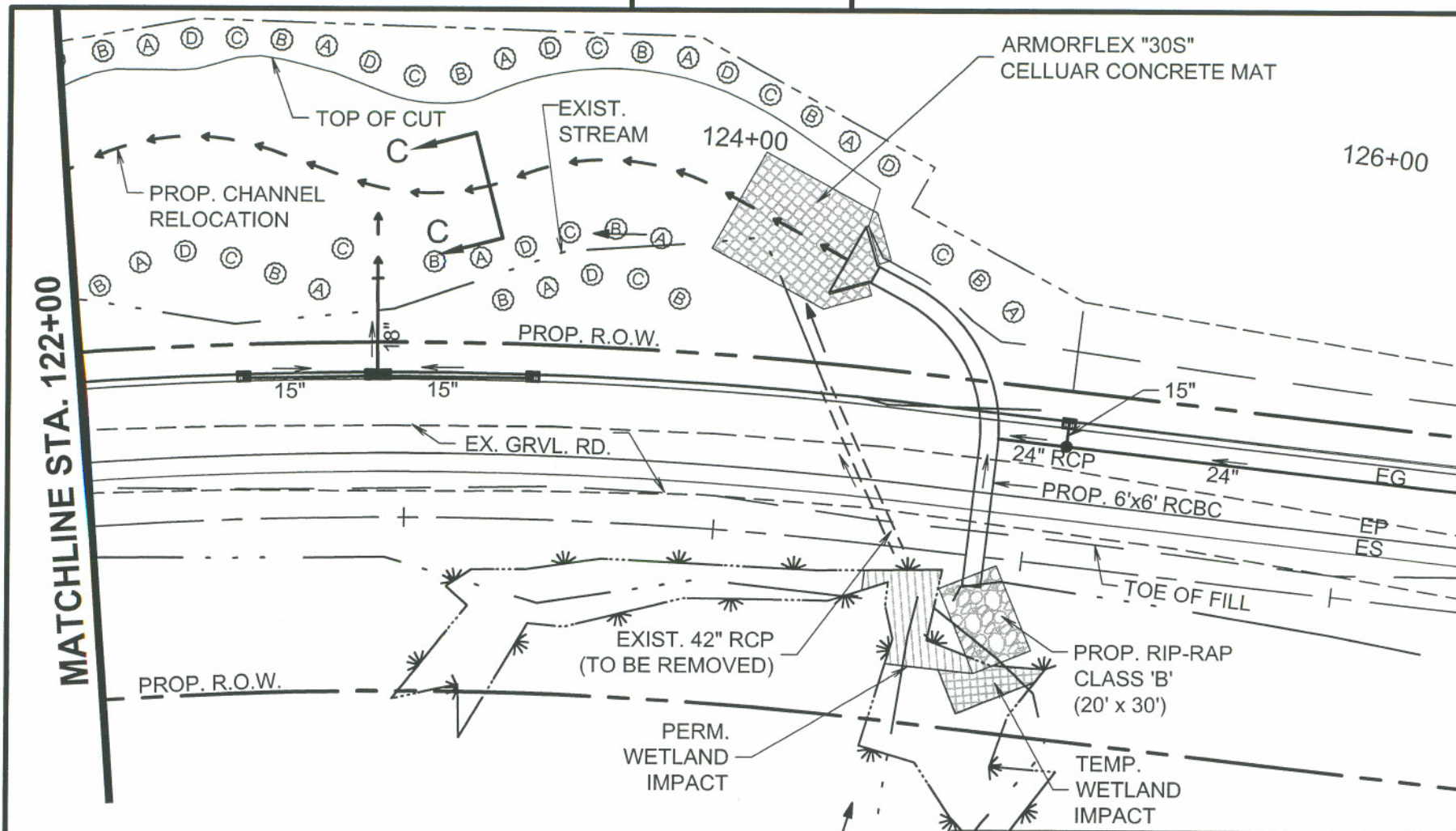
SHEET: 5 OF 56

DATE: 11-17-2003

REVISED:

PLAN
1" = 50'

Permit Sketch



DETAIL 2 (SHT. 2 OF 6)

EXIST. STREAM FROM STA. 119+53± TO STA. 125+12±;
 PROP. CHANNEL RELOCATION AND PROP. WETLANDS
 IMPACT; FROM STA. 124+50± TO STA. 125+12± RT.

DATUM: MEAN SEA LEVEL

PLAN
 1" = 50'

DATE: 11-17-2003

REVISED:

APPLICATION BY:

TOWN OF COLLIERVILLE

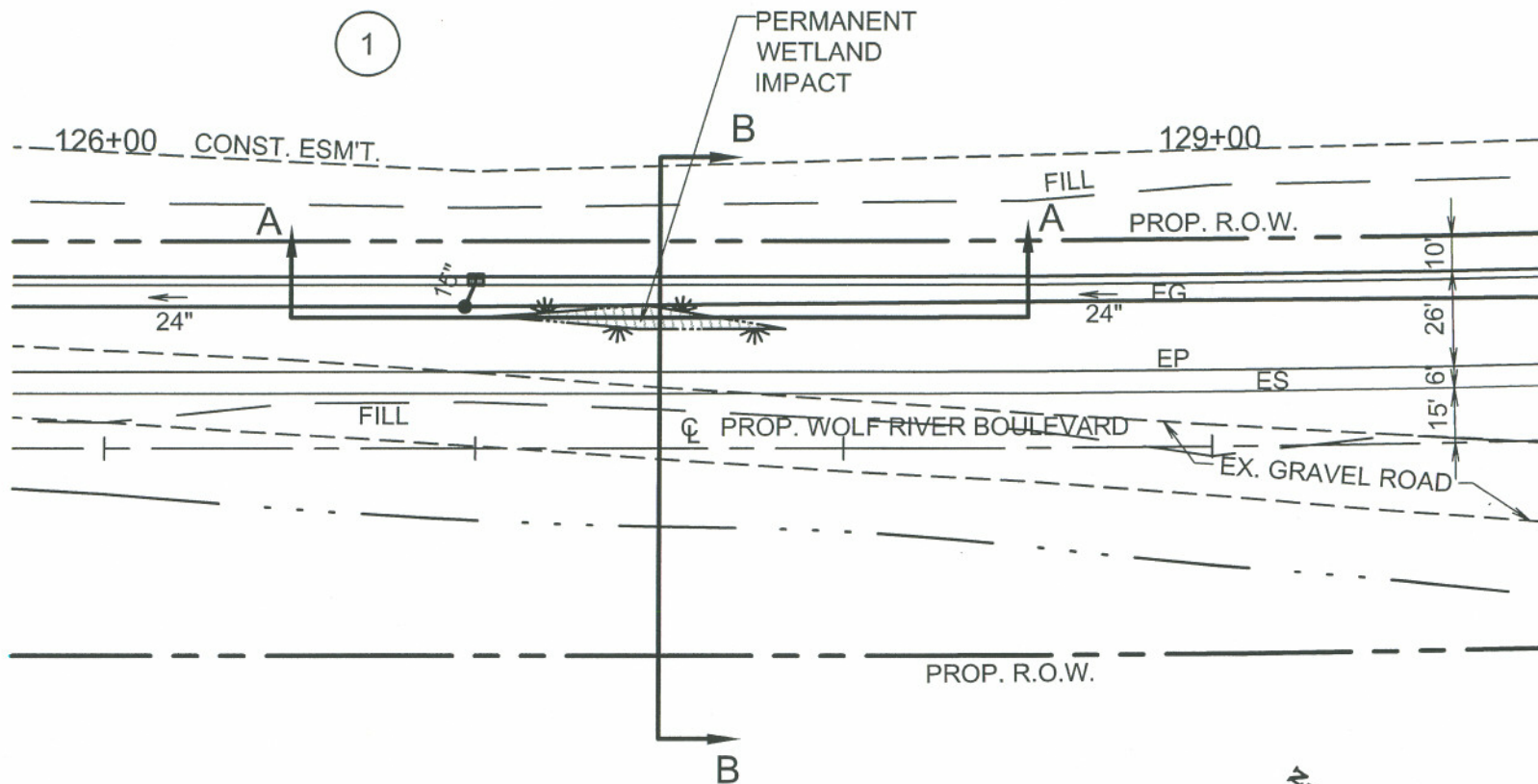
PROJECT NO: TOC03E12

PROJECT DESC: WOLF RIVER BOULEVARD FROM
 HOUSTON LEVEE ROAD TO SHELTON ROAD

SHELBY COUNTY AT COLLIERVILLE, TENNESSEE

SHEET: 6 OF 56

Permit Sketch



PLAN
1" = 50'



DETAIL 3 (SHT. 1 OF 2)

PROPOSED WETLAND IMPACT
FROM STA. 127+05± TO STA. 127+84±
DATUM: MEAN SEA LEVEL

WETLAND IMPACT
STA. 127+05± TO STA. 127+84±
PERM. = 261 SQ. FT.

DATE: 11-17-2003

REVISED:

APPLICATION BY:

TOWN OF COLLIERVILLE

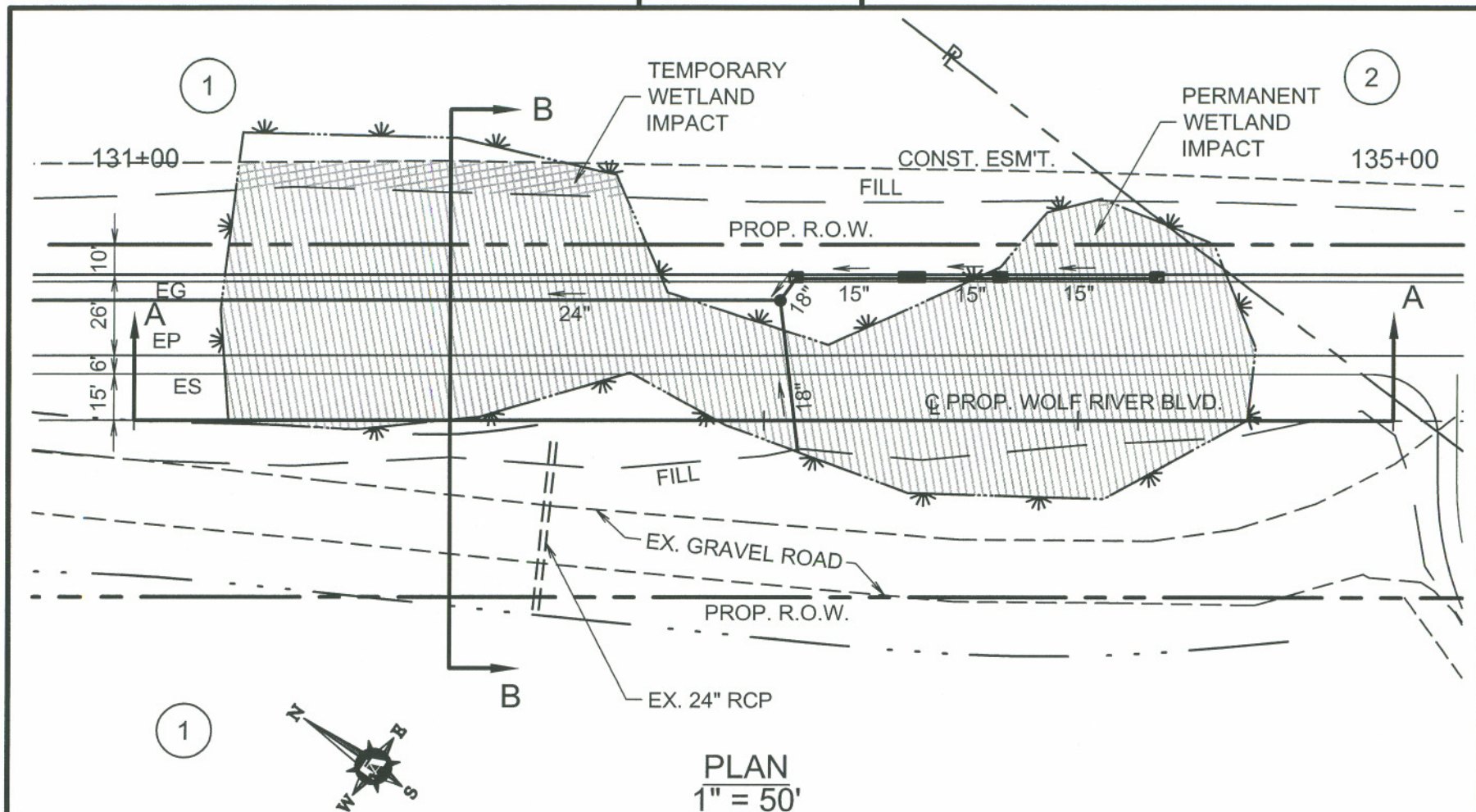
PROJECT NO: TOC03E12

PROJECT DESC: WOLF RIVER BOULEVARD FROM
HOUSTON LEVEE ROAD TO SHELTON ROAD

SHELBY COUNTY AT COLLIERVILLE, TENNESSEE

SHEET: 11 OF 56

Permit Sketch



DETAIL 4 (SHT. 1 OF 2)

PROPOSED WETLAND IMPACT
FROM STA. 131+27± TO STA. 134+56±
DATUM: MEAN SEA LEVEL

WETLAND IMPACT
STA. 131+27± TO STA. 134+56±
PERM. = 21080 SQ. FT.
TEMP. = 1128 SQ. FT.

DATE: 11-17-2003

REVISED:

APPLICATION BY:

TOWN OF COLLIERVILLE

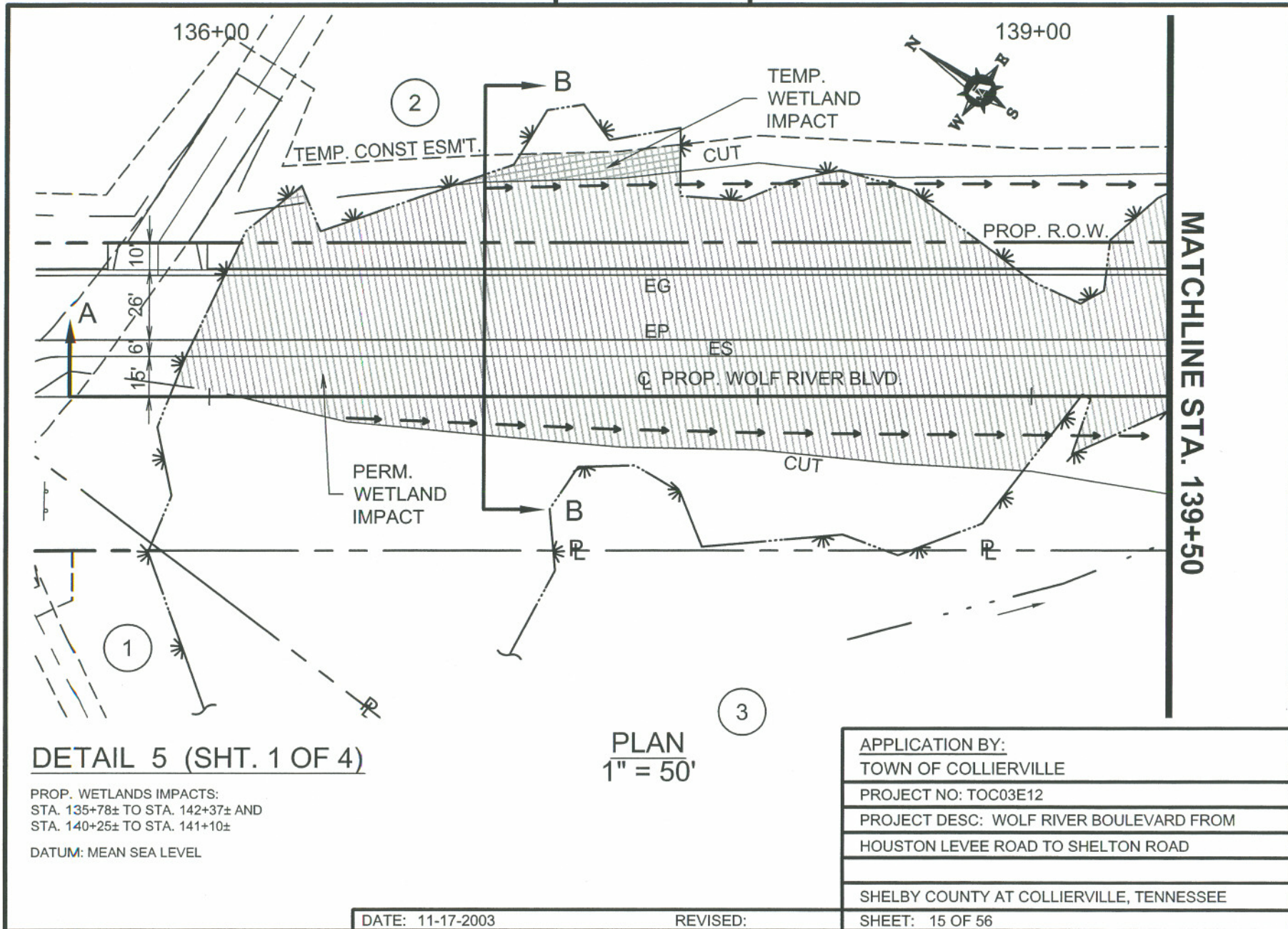
PROJECT NO: TOC03E12

PROJECT DESC: WOLF RIVER BOULEVARD FROM
HOUSTON LEVEE ROAD TO SHELTON ROAD

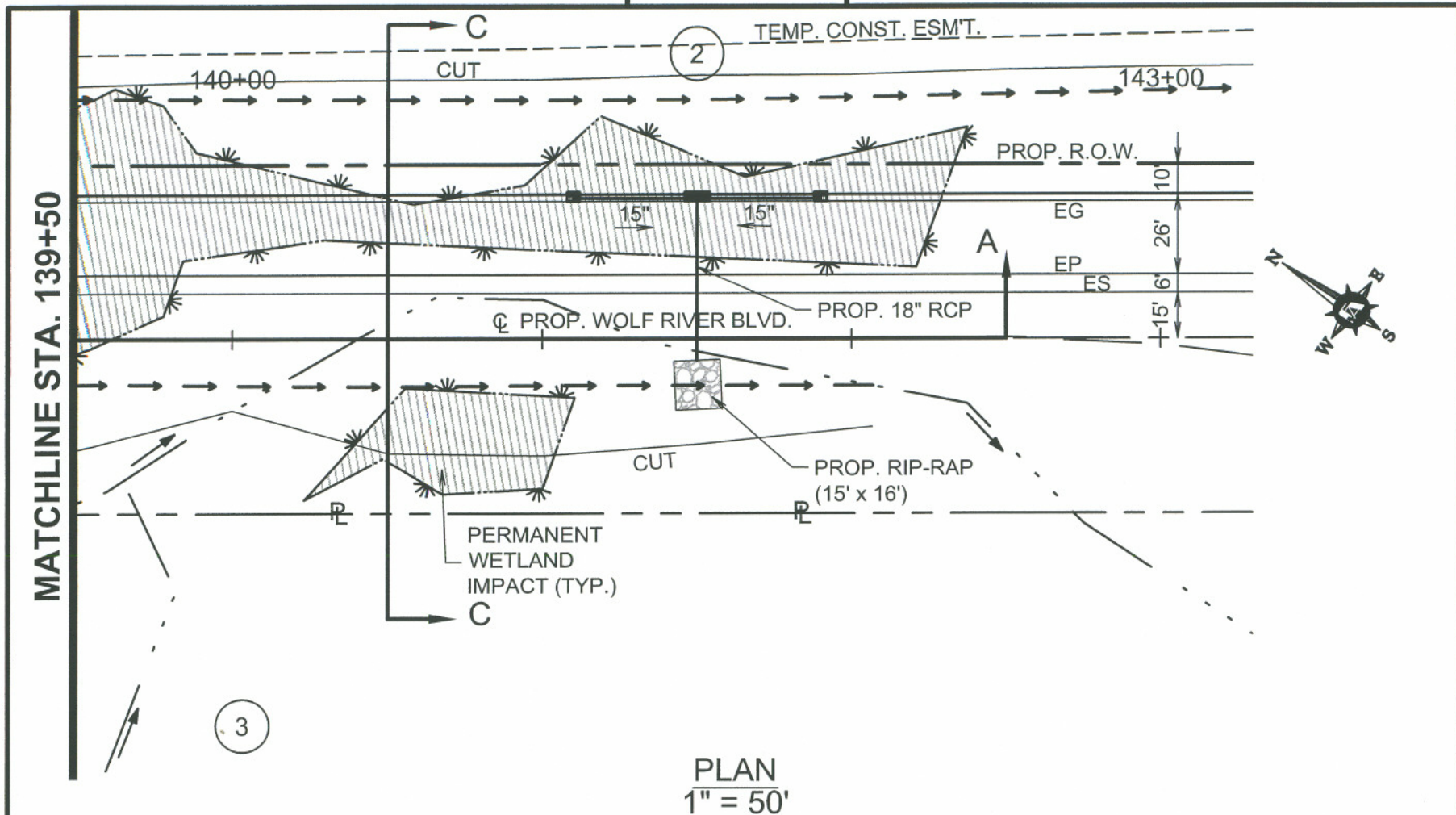
SHELBY COUNTY AT COLLIERVILLE, TENNESSEE

SHEET: 13 OF 56

Permit Sketch



Permit Sketch



DETAIL 5 (SHT. 2 OF 4)

PROP. WETLANDS IMPACTS:
STA. 135+78± TO STA. 142+37± AND
STA. 140+25± TO STA. 141+10±

DATUM: MEAN SEA LEVEL

WETLAND IMPACT
STA. 135+78± TO STA. 142+37±
PERM. = 39552 SQ. FT.
TEMP. = 706 SQ. FT.

WETLAND IMPACT
STA. 140+25± TO STA. 141+10±
PERM. = 1904 SQ. FT.

DATE: 11-17-2003

REVISED:

APPLICATION BY:
TOWN OF COLLIERVILLE

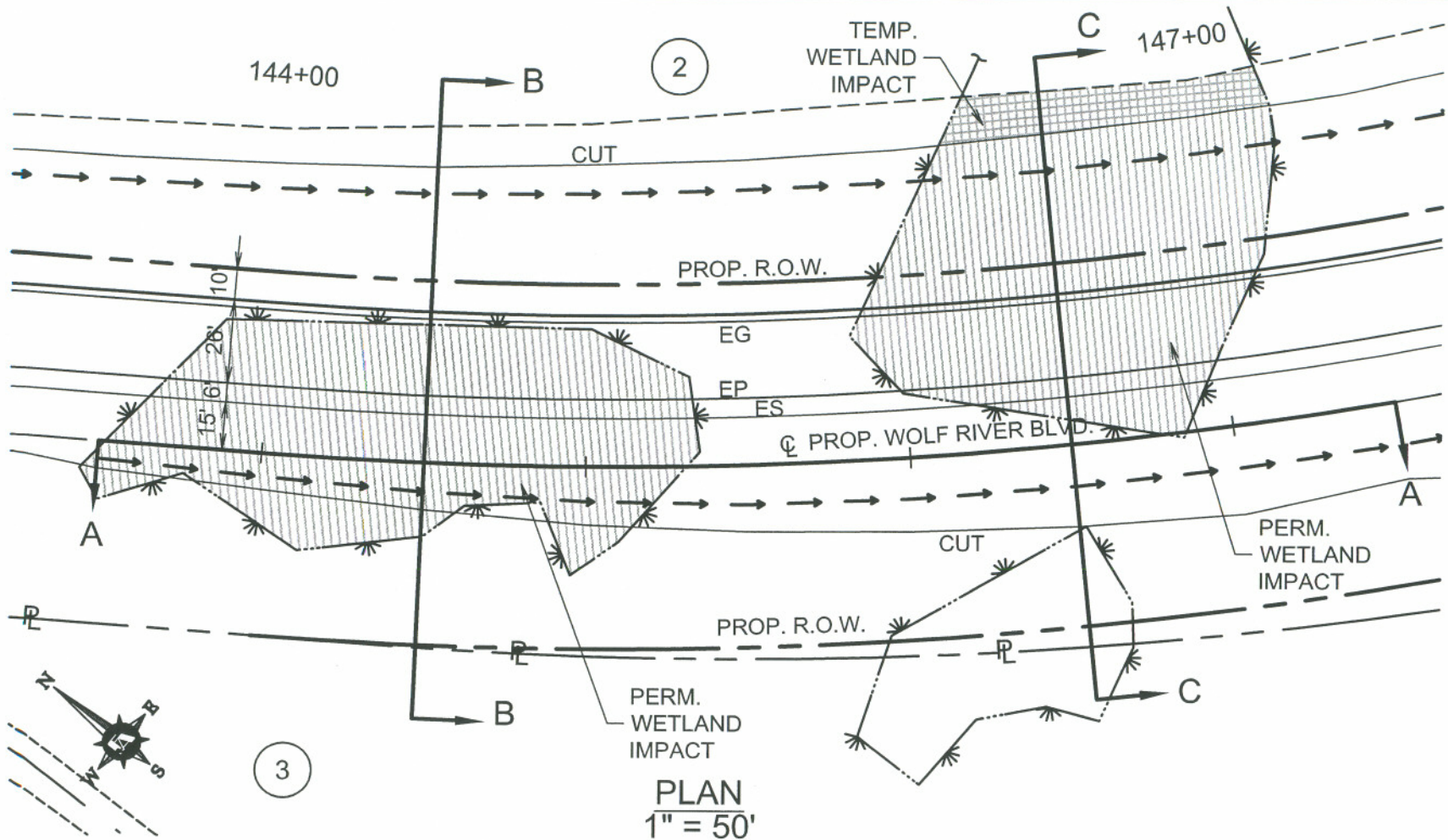
PROJECT NO: TOC03E12

PROJECT DESC: WOLF RIVER BOULEVARD FROM
HOUSTON LEVEE ROAD TO SHELTON ROAD

SHELBY COUNTY AT COLLIERVILLE, TENNESSEE

SHEET: 16 OF 56

Permit Sketch



DETAIL 6 (SHT. 1 OF 3)

PROPOSED WETLANDS IMPACTS:
FROM STA. 143+45± TO STA. 145+35± AND
FROM STA. 145+82± TO STA. 147+25±

DATUM: MEAN SEA LEVEL

WETLAND IMPACT
STA. 143+45± TO STA. 145+35±
PERM. = 10127 SQ. FT.

WETLAND IMPACT
STA. 145+82± TO STA. 147+25±
PERM. = 9777 SQ. FT.
TEMP. = 1229 SQ. FT.

APPLICATION BY:
TOWN OF COLLIERVILLE

PROJECT NO: TOC03E12

PROJECT DESC: WOLF RIVER BOULEVARD FROM
HOUSTON LEVEE ROAD TO SHELTON ROAD

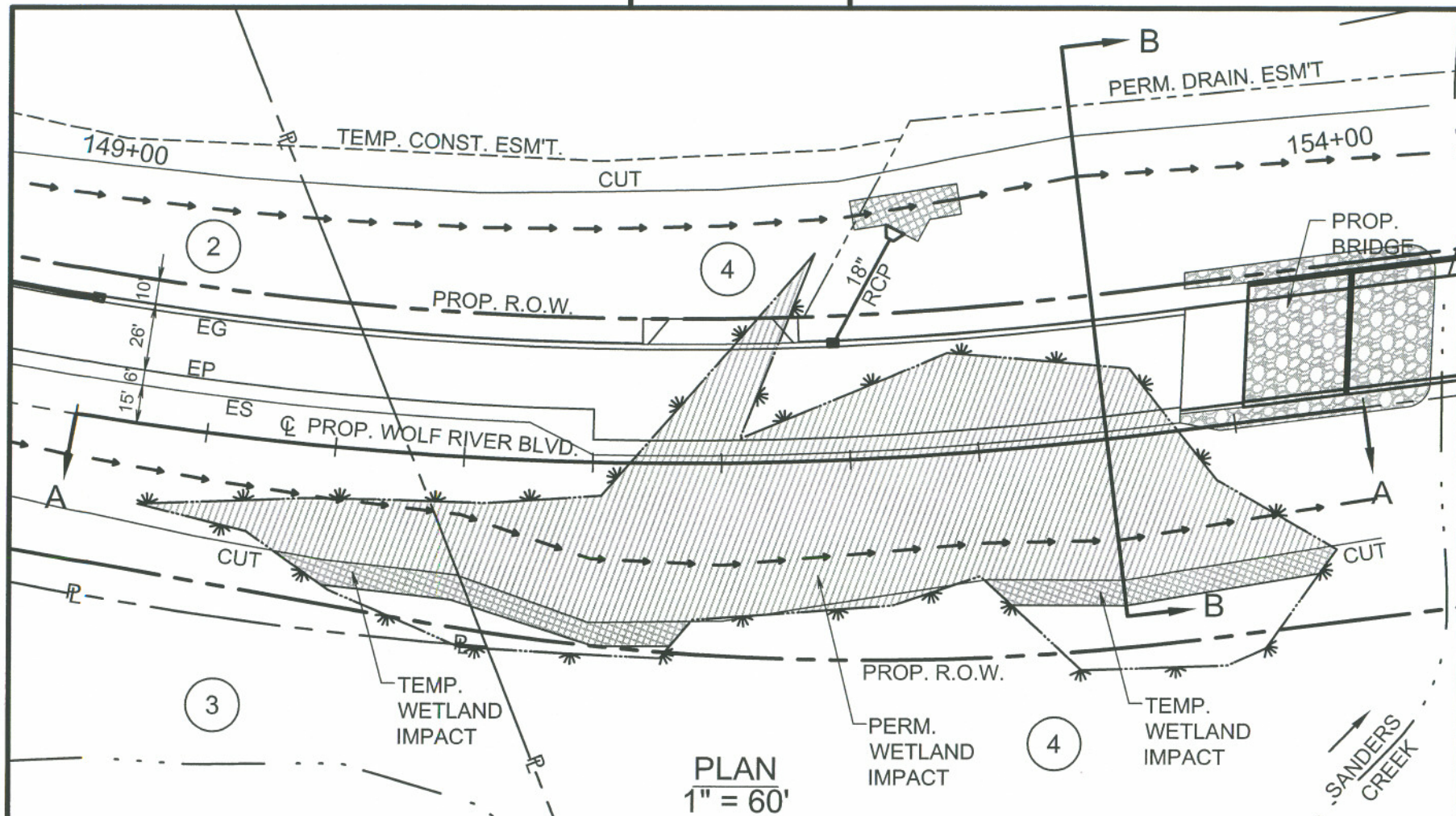
SHELBY COUNTY AT COLLIERVILLE, TENNESSEE

SHEET: 19 OF 56

DATE: 11-17-2003

REVISED:

Permit Sketch



PLAN
1" = 60'



DETAIL 7 (SHT. 1 OF 3)

PROPOSED WETLANDS IMPACT:
FROM STA. 149+31± TO STA. 153+90±

DATUM: MEAN SEA LEVEL

WETLAND IMPACT
STA. 149+31± TO STA. 153+90±
PERM. = 24946 SQ. FT.
TEMP. = 2752 SQ. FT.

APPLICATION BY:
TOWN OF COLLIERVILLE

PROJECT NO: TOC03E12

PROJECT DESC: WOLF RIVER BOULEVARD FROM
HOUSTON LEVEE ROAD TO SHELTON ROAD

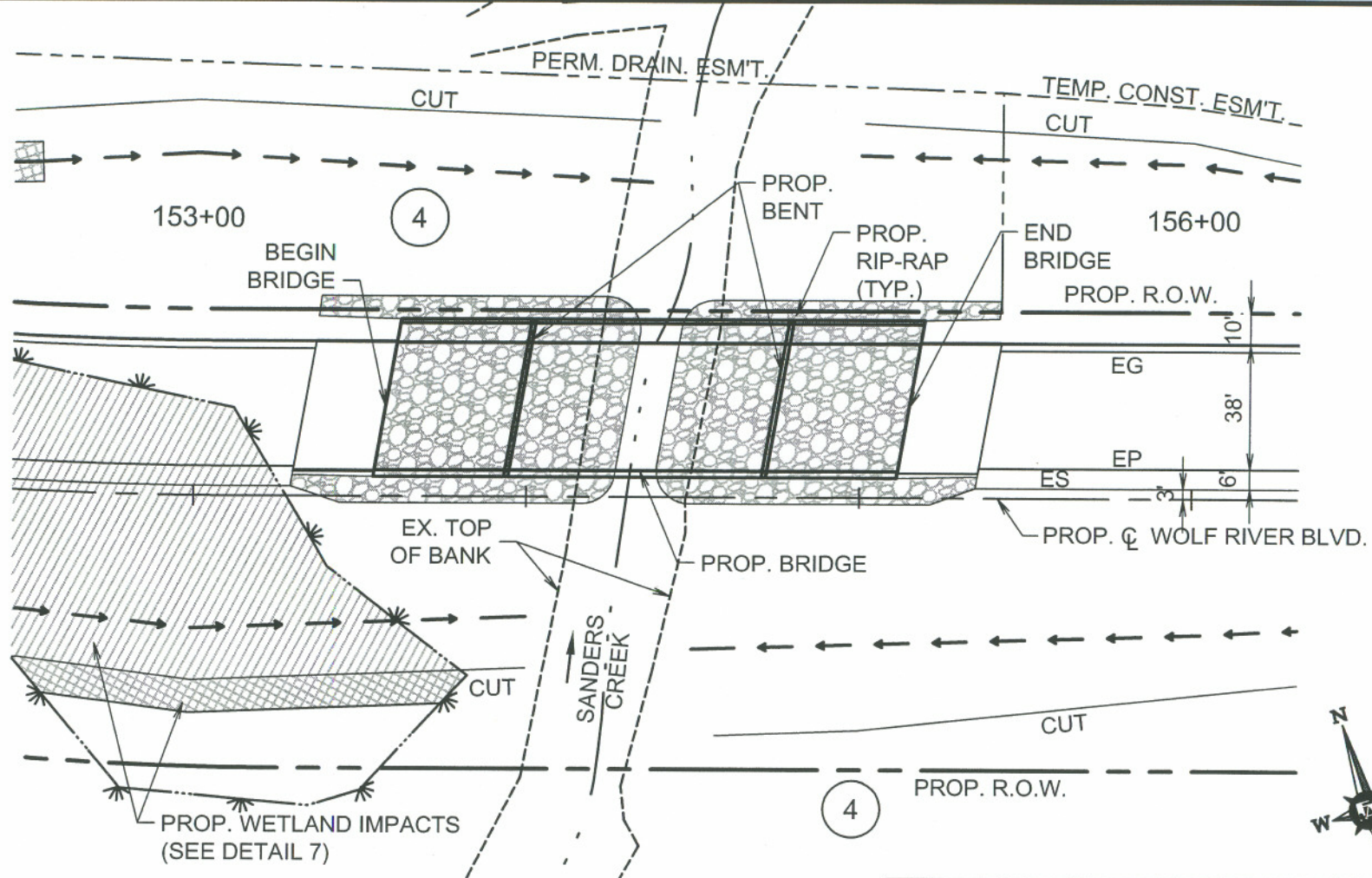
SHELBY COUNTY AT COLLIERVILLE, TENNESSEE

SHEET: 22 OF 56

DATE: 11-17-2003

REVISED:

Permit Sketch



DETAIL 8 (SHT. 1 OF 1)

PROPOSED BRIDGE OVER
SANDERS CREEK
STA. 154+34.07

PLAN
1" = 50'

APPLICATION BY:

TOWN OF COLLIERVILLE

PROJECT NO: TOC03E12

PROJECT DESC: WOLF RIVER BOULEVARD FROM
HOUSTON LEVEE ROAD TO SHELTON ROAD

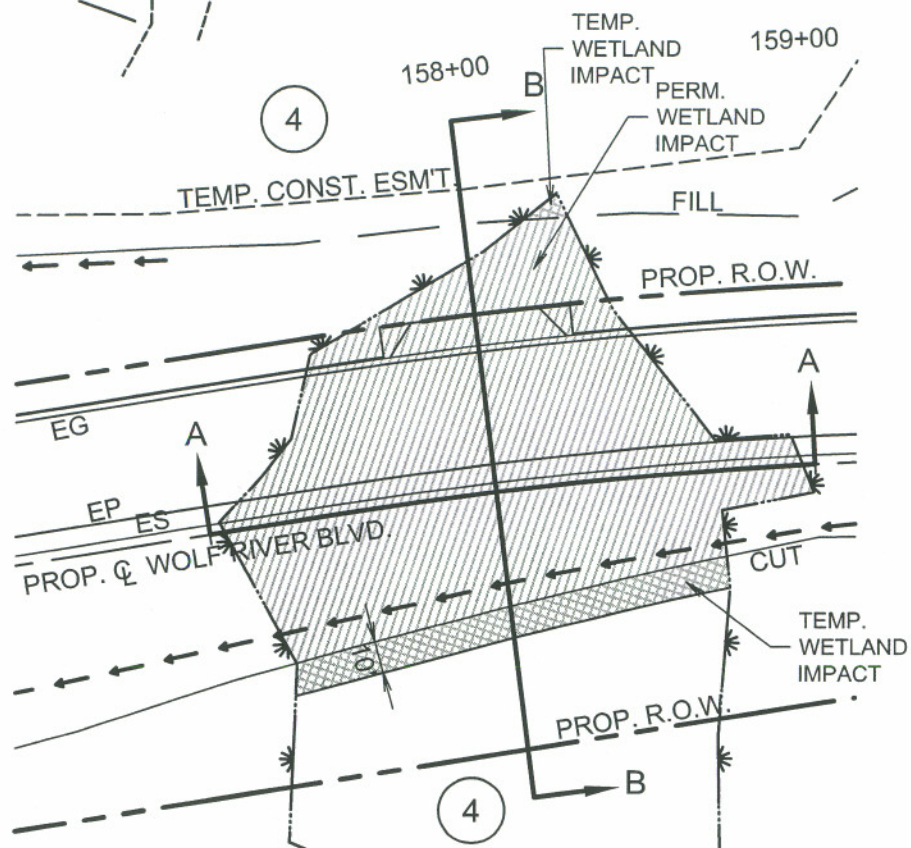
SHELBY COUNTY AT COLLIERVILLE, TENNESSEE

SHEET: 25 OF 56

DATE: 11-17-2003

REVISED:

Permit Sketch



PLAN
1" = 60'

DETAIL 9 (SHT. 1 OF 2)

PROPOSED WETLAND IMPACT
FROM STA. 157+13± TO STA. 158+99±

DATUM: MEAN SEA LEVEL

WETLAND IMPACT
STA. 157+13± TO STA. 158+99±
PERM. = 14198 SQ. FT.
TEMP. = 1449 SQ. FT.

DATE: 11-17-2003

REVISED:

APPLICATION BY:
TOWN OF COLLIERVILLE

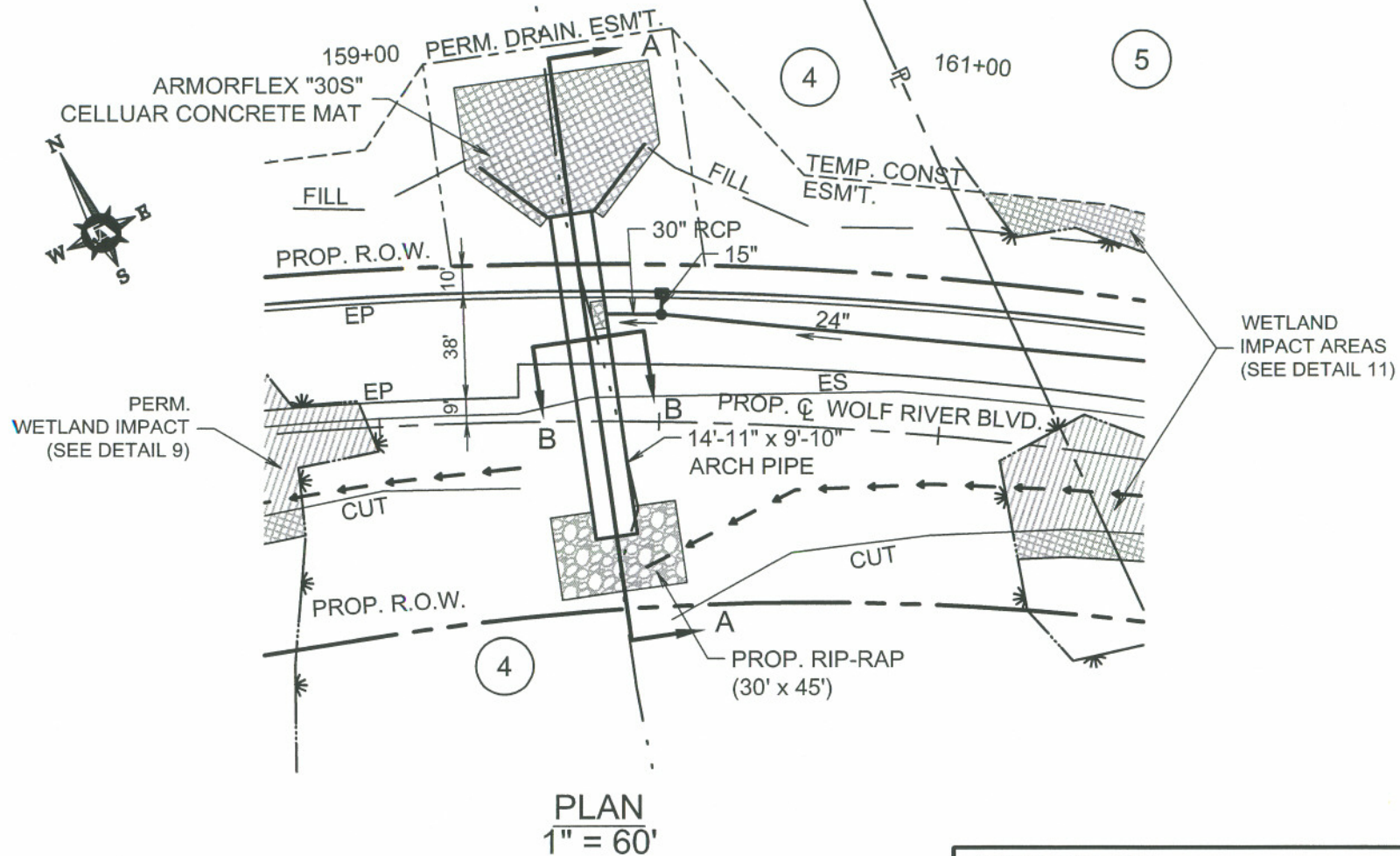
PROJECT NO: TOC03E12

PROJECT DESC: WOLF RIVER BOULEVARD FROM
HOUSTON LEVEE ROAD TO SHELTON ROAD

SHELBY COUNTY AT COLLIERVILLE, TENNESSEE

SHEET: 26 OF 56

Permit Sketch



DETAIL 10 (SHT. 1 OF 2)

PROPOSED 14'-11" x 9'-10" ALUMINUM
STRUCTURAL PLATE - ARCH PIPE
STA. 159+79

DATUM: MEAN SEA LEVEL

DATE: 11-17-2003

REVISED:

APPLICATION BY:

TOWN OF COLLIERVILLE

PROJECT NO: TOC03E12

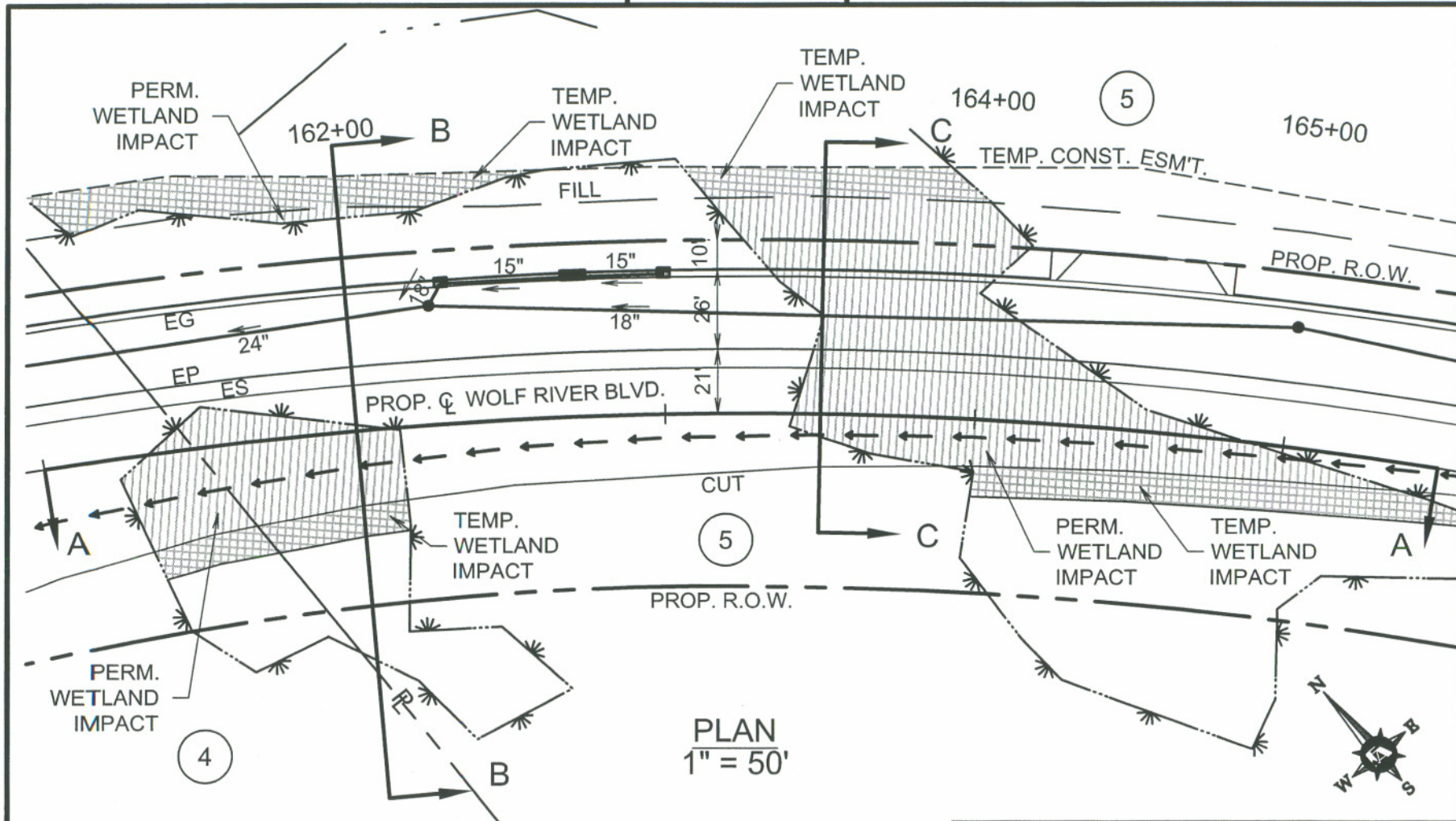
PROJECT DESC: WOLF RIVER BOULEVARD FROM

HOUSTON LEVEE ROAD TO SHELTON ROAD

SHELBY COUNTY AT COLLIERVILLE, TENNESSEE

SHEET: 28 OF 56

Permit Sketch



DETAIL 11 (SHT. 1 OF 3)

PROPOSED WETLANDS IMPACTS:
FROM STA. 161+08± TO STA. 162+64±,
FROM STA. 161+22± TO STA. 162+15±, AND
FROM STA. 163+05± TO STA. 165+40±

DATUM: MEAN SEA LEVEL

WETLAND IMPACT
STA. 163+05± TO STA. 165+40±
PERM. = 7453 SQ. FT.
TEMP. = 2475 SQ. FT.

WETLAND IMPACT
STA. 161+22± TO STA. 162+15±
PERM. = 2869 SQ. FT.
TEMP. = 815 SQ. FT.

WETLAND IMPACT
STA. 161+08± TO STA. 162+64±
PERM. = 183 SQ. FT.
TEMP. = 1588 SQ. FT.

APPLICATION BY:

TOWN OF COLLIERVILLE

PROJECT NO: TOC03E12

PROJECT DESC: WOLF RIVER BOULEVARD FROM

HOUSTON LEVEE ROAD TO SHELTON ROAD

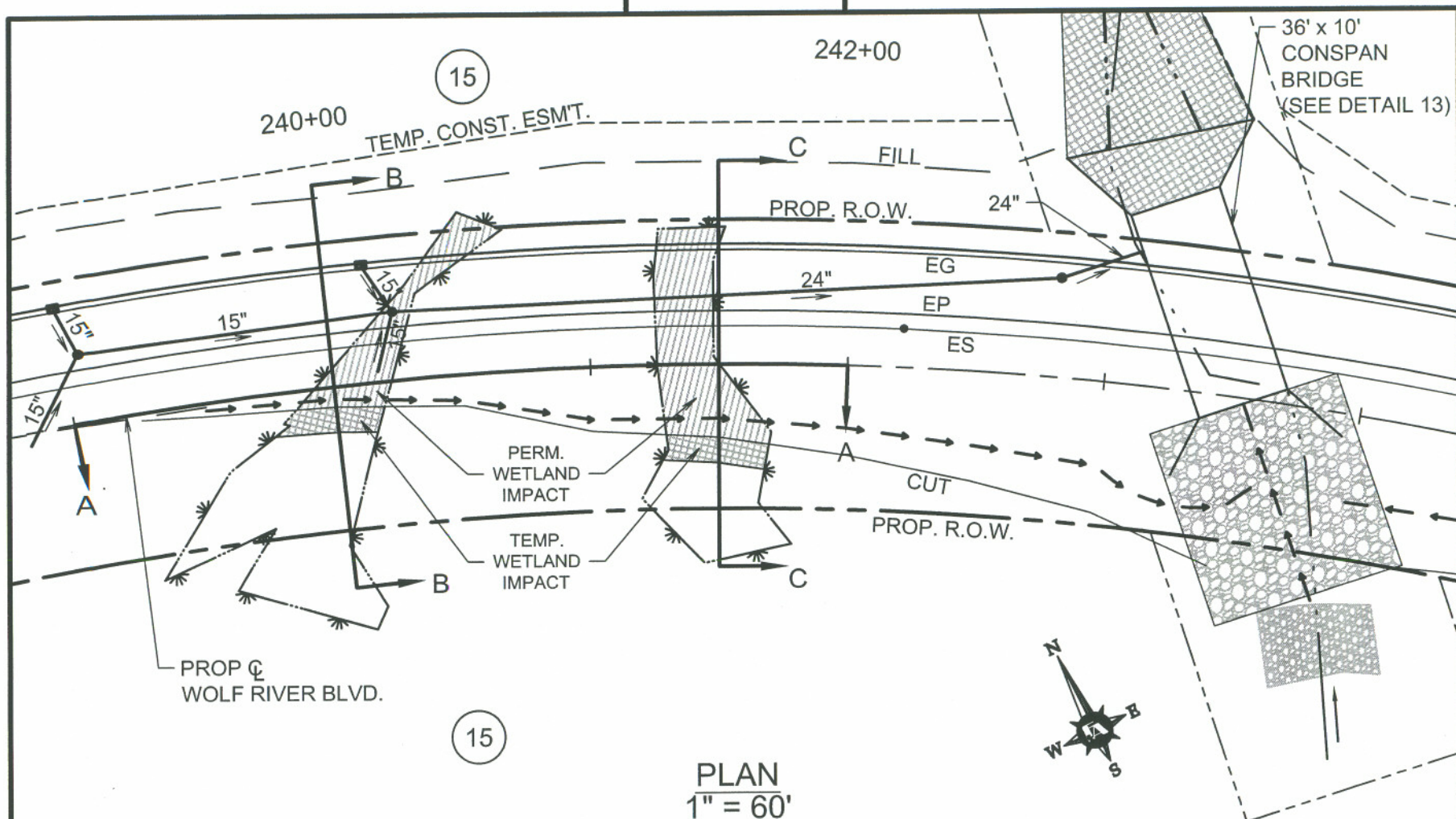
SHELBY COUNTY AT COLLIERVILLE, TENNESSEE

SHEET: 30 OF 56

DATE: 11-17-2003

REVISED:

Permit Sketch



DETAIL 12 (SHT. 1 OF 3)

PROPOSED WETLANDS IMPACTS:
FROM STA. 239+80± TO STA. 240+69± AND
FROM STA. 241+25± TO STA. 241+72±

DATUM: MEAN SEA LEVEL

WETLAND IMPACT
STA. 239+80± TO STA. 240+69±
PERM. = 1341 SQ. FT.
TEMP. = 366 SQ. FT.

WETLAND IMPACT
STA. 241+25± TO STA. 241+72±
PERM. = 2211 SQ. FT.
TEMP. = 390 SQ. FT.

APPLICATION BY:
TOWN OF COLLIERVILLE

PROJECT NO: TOC03E12

PROJECT DESC: WOLF RIVER BOULEVARD FROM
HOUSTON LEVEE ROAD TO SHELTON ROAD

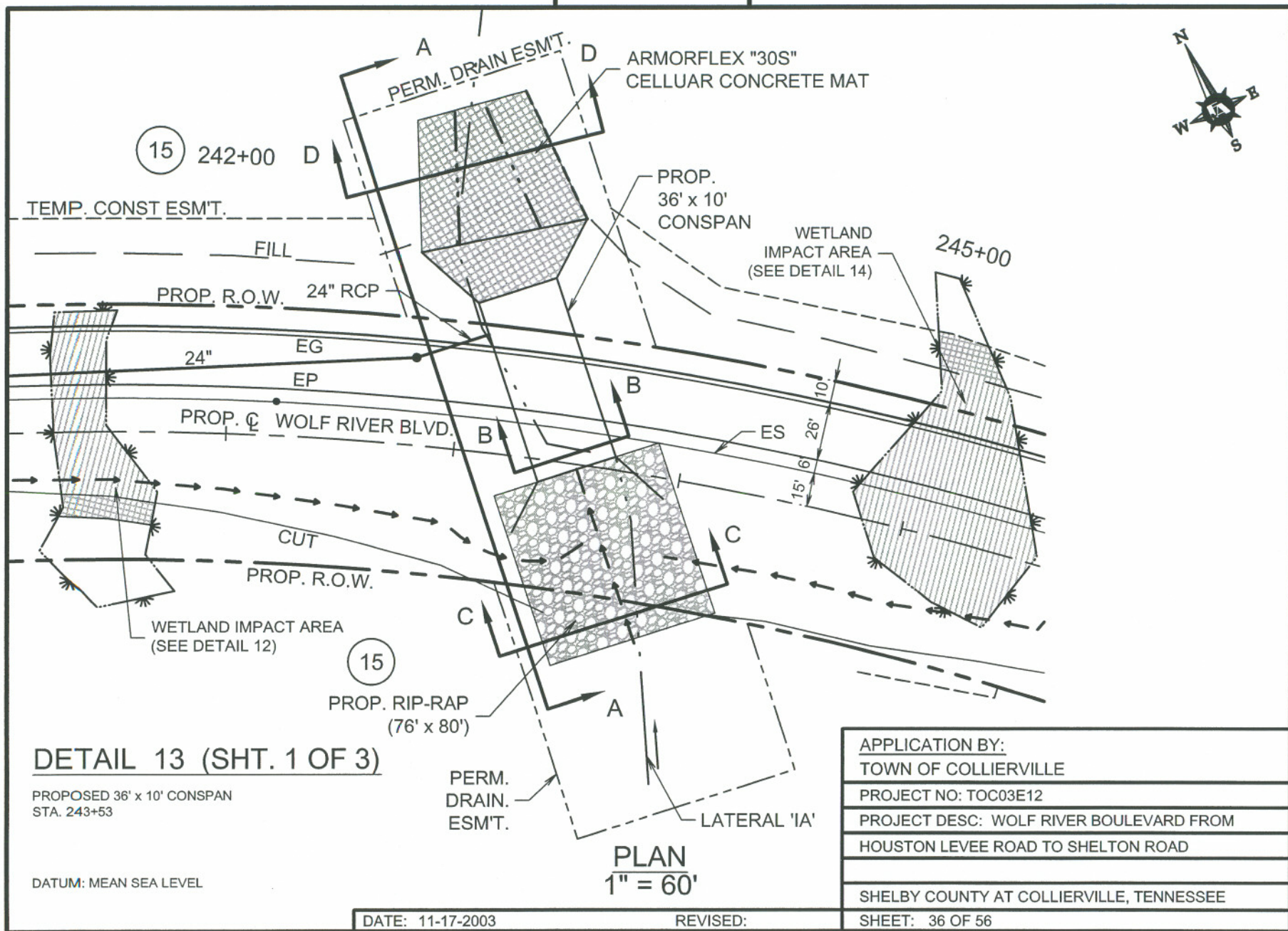
SHELBY COUNTY AT COLLIERVILLE, TENNESSEE

SHEET: 33 OF 56

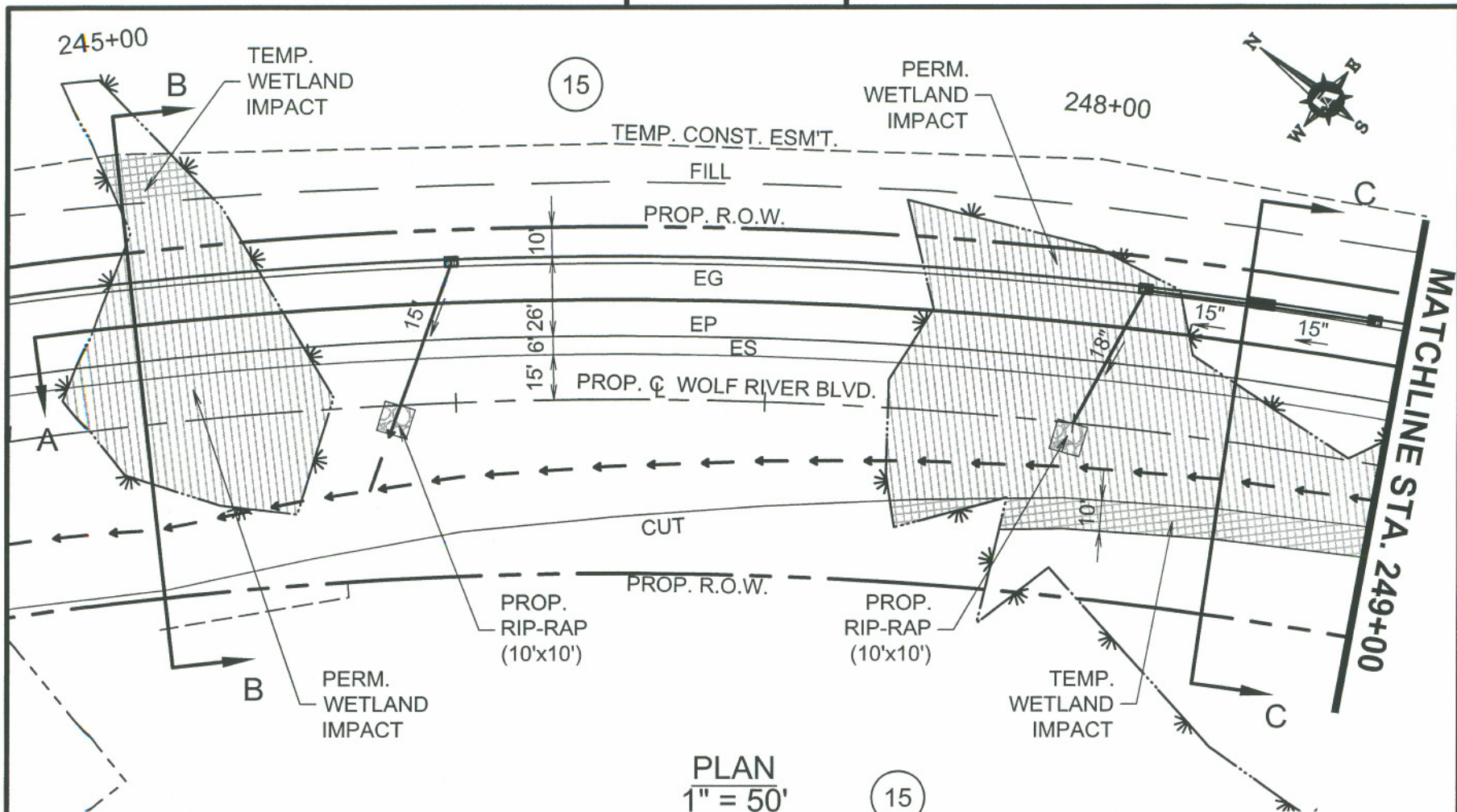
DATE: 11-17-2003

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Permit Sketch



Permit Sketch



DETAIL 14 (SHT. 1 OF 5)

PROPOSED WETLANDS IMPACTS:
FROM STA. 244+79± TO STA. 245+61±,
FROM STA. 247+40± TO STA. 250+42±, AND
FROM STA. 251+60± TO STA. 252+05±

DATUM: MEAN SEA LEVEL

WETLAND IMPACT
STA. 244+79± TO STA. 245+61±
PERM. = 5902 SQ. FT.
TEMP. = 422 SQ. FT.

WETLAND IMPACT
STA. 251+60± TO STA. 252+05±
PERM. = 2720 SQ. FT.
TEMP. = 323 SQ. FT.

WETLAND IMPACT
STA. 247+40± TO STA. 250+42±
PERM. = 19584 SQ. FT.
TEMP. = 2516 SQ. FT.

APPLICATION BY:
TOWN OF COLLIERVILLE

PROJECT NO: TOC03E12

PROJECT DESC: WOLF RIVER BOULEVARD FROM
HOUSTON LEVEE ROAD TO SHELTON ROAD

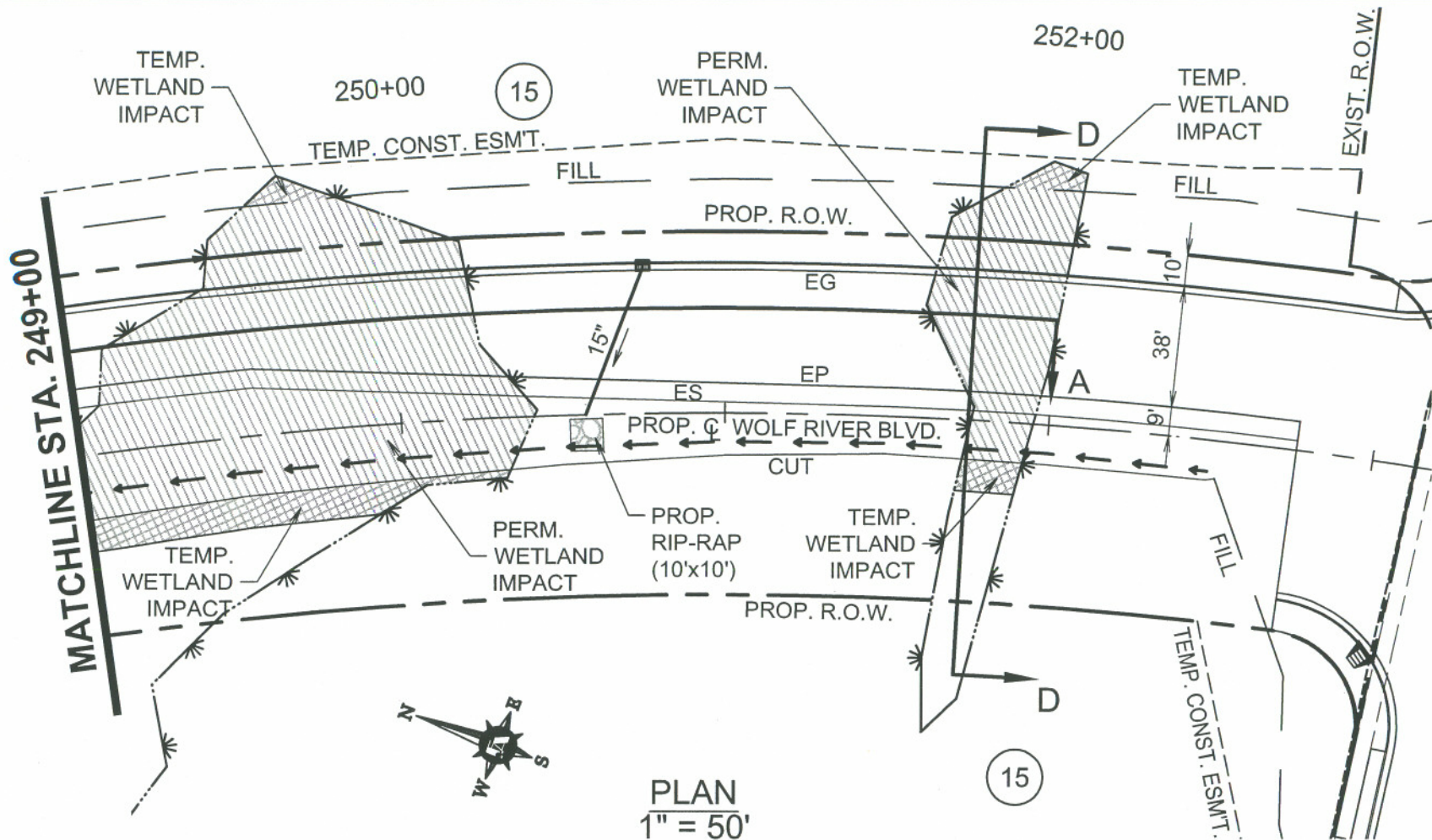
SHELBY COUNTY AT COLLIERVILLE, TENNESSEE

SHEET: 39 OF 56

DATE: 11-17-2003

REVISÉ:

Permit Sketch



DETAIL 14 (SHT. 2 OF 5)

PROPOSED WETLANDS IMPACTS:
FROM STA. 244+79± TO STA. 245+61±,
FROM STA. 247+40± TO STA. 250+42±, AND
FROM STA. 251+60± TO STA. 252+05±

DATUM: MEAN SEA LEVEL

DATE: 11-17-2003

REVISED:

APPLICATION BY:
TOWN OF COLLIERVILLE

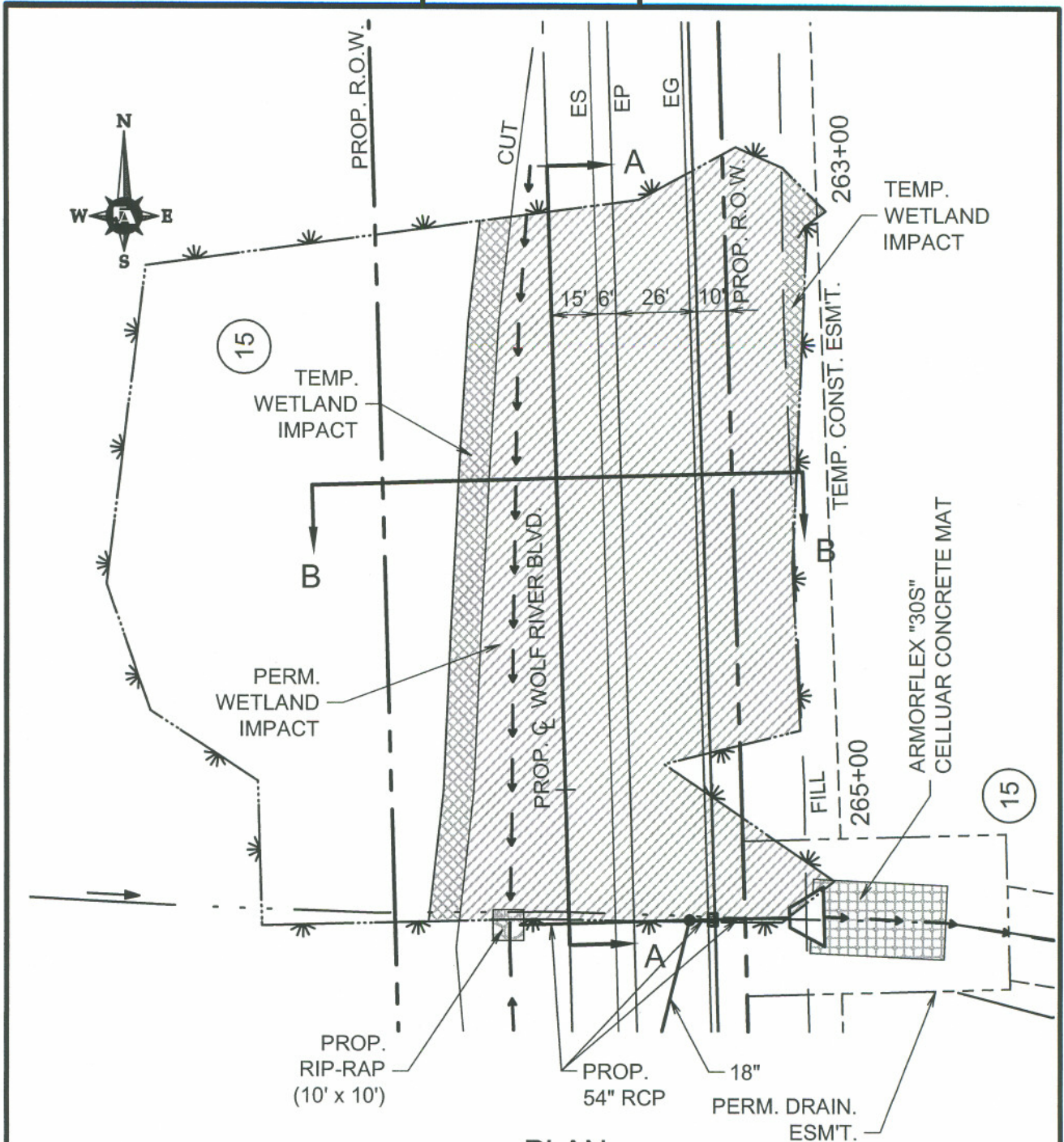
PROJECT NO: TOC03E12

PROJECT DESC: WOLF RIVER BOULEVARD FROM
HOUSTON LEVEE ROAD TO SHELTON ROAD

SHELBY COUNTY AT COLLIERVILLE, TENNESSEE

SHEET: 40 OF 56

Permit Sketch



DETAIL 15 (SHT. 1 OF 2)

PROPOSED WETLAND IMPACT
FROM STA. 262+96± TO STA. 265+45±

WETLAND IMPACT
STA. 262+96± TO STA. 265+45±
PERM. = 22615 SQ. FT.
TEMP. = 2852 SQ. FT.

DATUM: MEAN SEA LEVEL

PLAN
1" = 50'

APPLICATION BY:

TOWN OF COLLIERVILLE

PROJECT NO. STP-76 (31)

PROJECT DESC: 38007-2224-14

HOUSTON LEVEE ROAD TO SHELTON ROAD

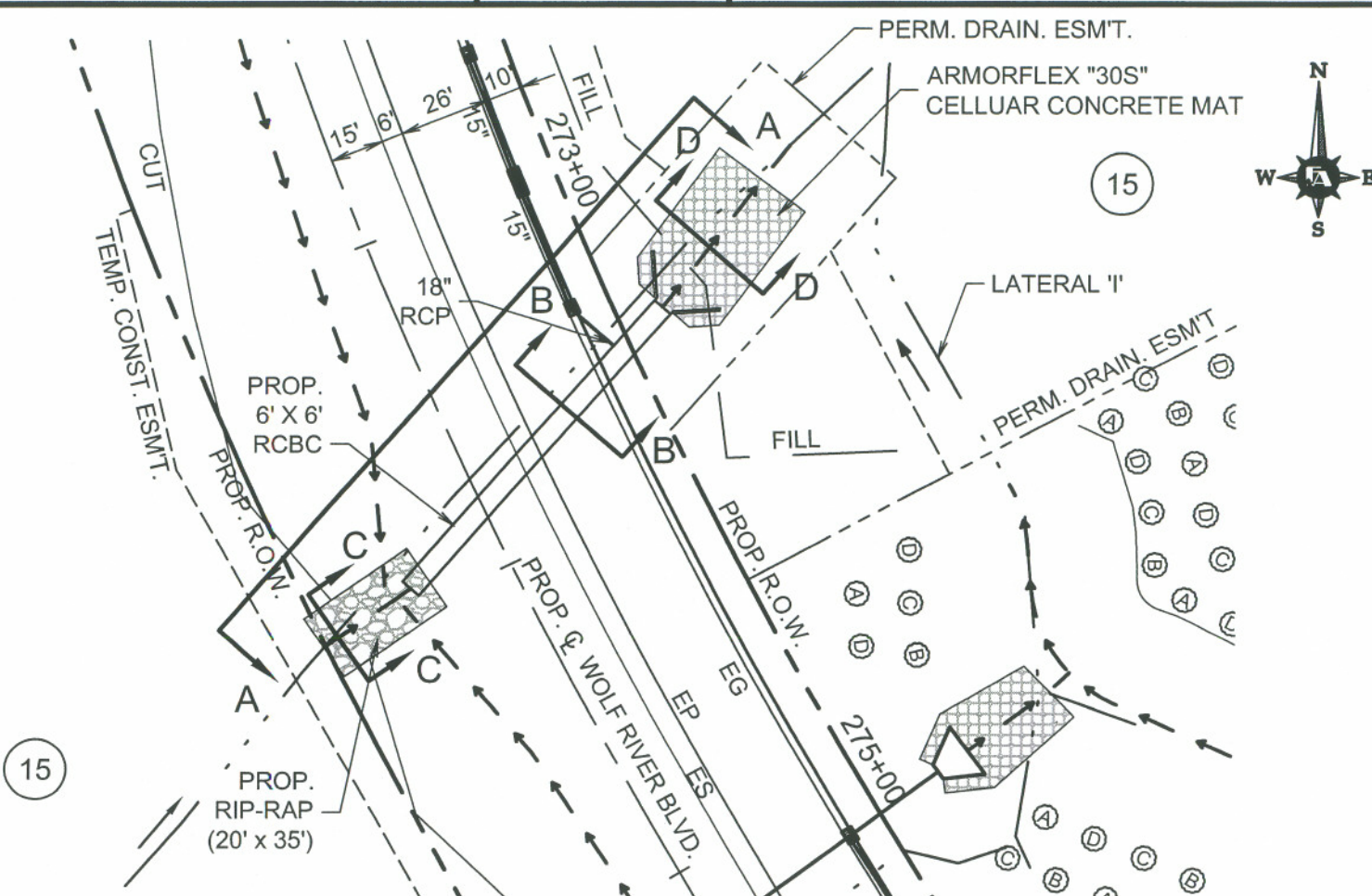
SHELBY COUNTY AT COLLIERVILLE, TENNESSEE

SHEET: 44 OF 56

DATE: 11-17-2003

REVISED:

Permit Sketch



DETAIL 16 (SHT. 1 OF 3)

PROPOSED 6' x 6' RCBC
STATION 273+82
BRANCH OF LATERAL I

DATUM: MEAN SEA LEVEL

PLAN
1" = 50'

APPLICATION BY:
TOWN OF COLLIERVILLE

PROJECT NO: TOC03E12

PROJECT DESC: WOLF RIVER BOULEVARD FROM
HOUSTON LEVEE ROAD TO SHELTON ROAD

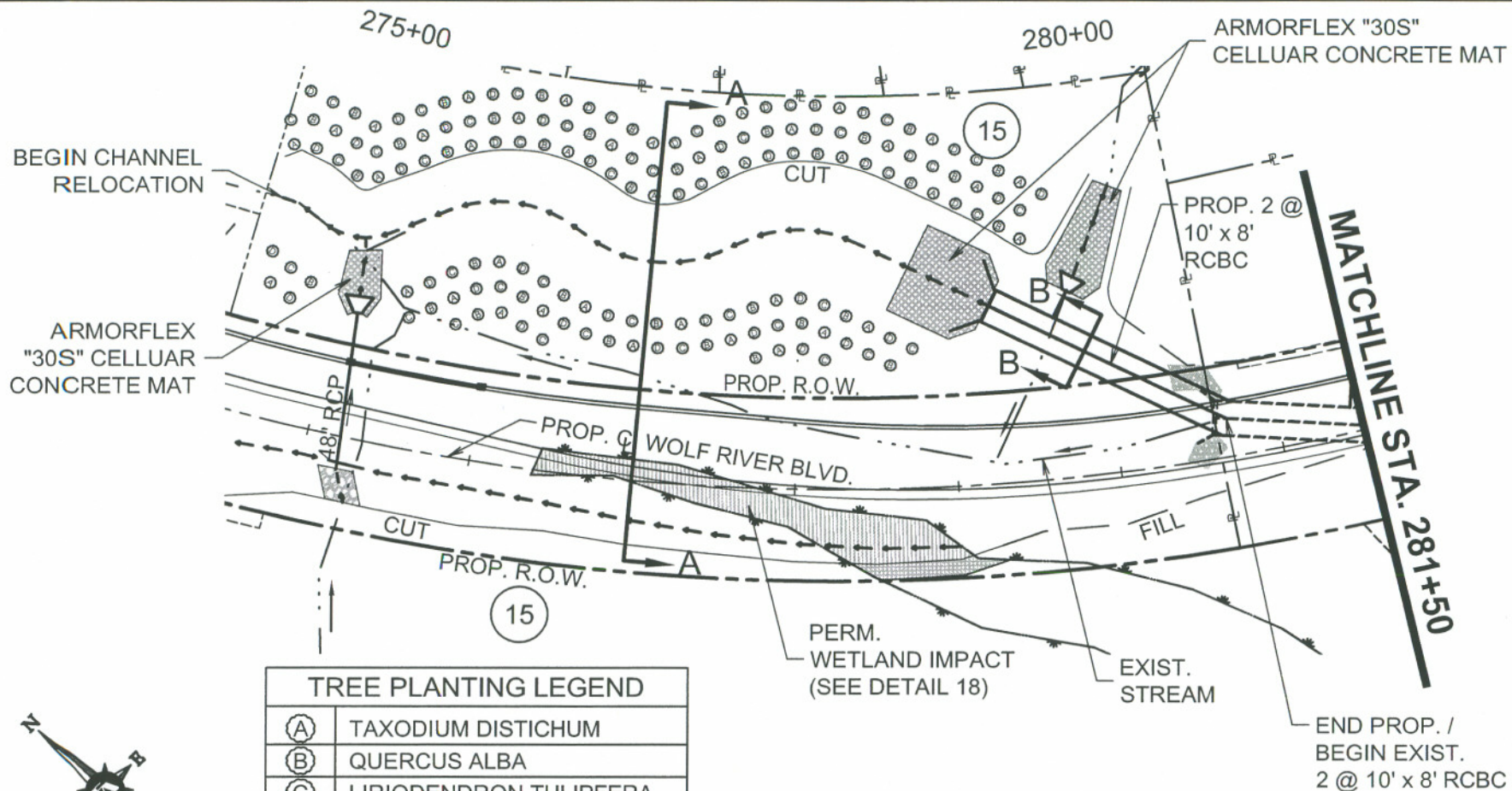
SHELBY COUNTY AT COLLIERVILLE, TENNESSEE

SHEET: 46 OF 56

DATE: 11-17-2003

REVISÉ:

Permit Sketch



TREE PLANTING LEGEND	
(A)	TAXODIUM DISTICHUM
(B)	QUERCUS ALBA
(C)	LIRODENDRON TULIPFERA
(D)	ACER RUBRUM

DETAIL 17 (SHT. 1 OF 6)

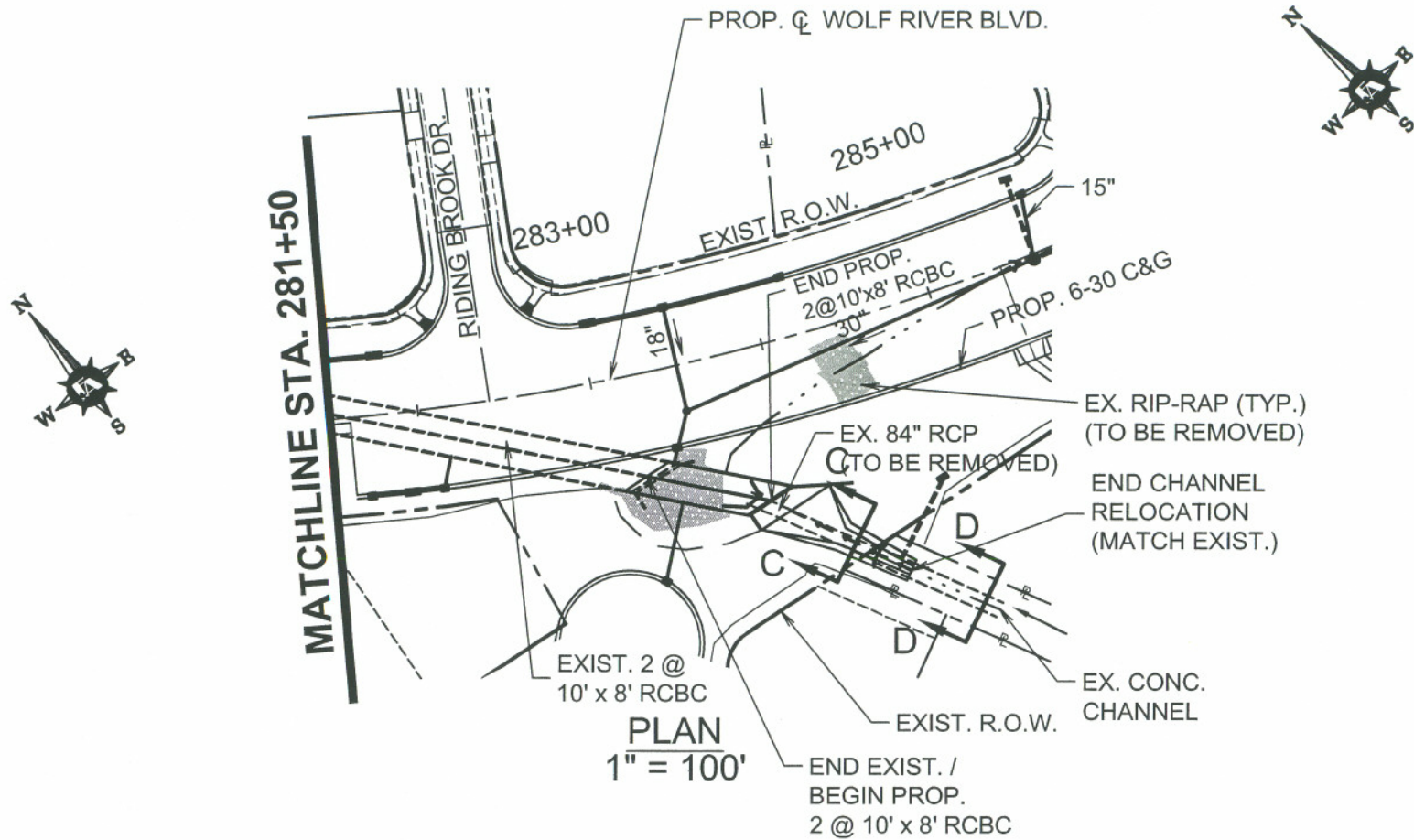
EXIST. STREAM FROM STA. 274+47± TO 284+43±
PROP. EXTENSION OF EXISTING 2 @ 10' x 8' RCBC

DATUM: MEAN SEA LEVEL

PLAN
1" = 100'

APPLICATION BY: TOWN OF COLLIERVILLE
PROJECT NO: TOC03E12
PROJECT DESC: WOLF RIVER BOULEVARD FROM HOUSTON LEVEE ROAD TO SHELTON ROAD
SHELBY COUNTY AT COLLIERVILLE, TENNESSEE
SHEET: 49 OF 56

Permit Sketch



DETAIL 17 (SHT. 2 OF 6)

EXIST. STREAM FROM STA. 274+47± TO 284+43±
 PROP. EXTENSION OF EXISTING 2 @ 10' x 8' RCBC

DATUM: MEAN SEA LEVEL

APPLICATION BY:
TOWN OF COLLIERVILLE
PROJECT NO: TOC03E12
PROJECT DESC: WOLF RIVER BOULEVARD FROM
HOUSTON LEVEE ROAD TO SHELTON ROAD
SHELBY COUNTY AT COLLIERVILLE, TENNESSEE
SHEET: 50 OF 56

DATE: 11-17-2003

REVISED: